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ADDITIONS TO THE MUSEUM, 1910.

MAMMALS.

O. H. BROWN. Hoary Bat (*Lasiurus cinerus*), Cape May, N. J.

ROBERT D. CARSON. Dormouse Lemur (*Microcebus myoxinus*).

F. W. CASSEDY. Albino Grey Squirrel (*Sciurus carolinensis*), Cape May, N. J.

BENJAMIN CHEW. Mounted head of Asiatic Ibex (*Capra sibirica*), Thian Shan Mountains, Chinese Turkestan.

J. H. FERRISS. Skin and skull of Coues's Deer (*Odocoileus couesi*), Santa Catalina Mountains, Arizona.

J. HABISREITINGER. Albino Mink skin (*Lutreola vison*).

Dr. J. PERCY MOORE. Seven specimens of White-footed Mouse (*Peromyscus leucopus fusus*), Martha's Vineyard, Mass.

PURCHASED. Pygmy Sperm Whale (*Kogia breviceps*), Sea Isle City, N. J. Skin and skull of Beaver (*Castor canadensis*).

MRS. CHARLES SCHÄFFER. Albino Streator's Chickaree (*Sciurus hudsonicus streatori*), Glacier, B. C.

CHARLES S. WELLS. Skull of Red Fox (*Vulpes fulvus*).

ZOOLOGICAL SOCIETY OF PHILADELPHIA. Specimens prepared as follows: Mounted: Potto (*Perodicticus potto*): skin and skull; two white-throated Monkeys (*Cercopithecus albigularis*), Moloney's Monkey (*Cercopithecus moloneyi*), Woolly Monkey (*Lagothrix* sp.), Black-backed Jackal (*Canis mesomelas*), White-whiskered Paradoxure (*Paradoxurus leucomystax*), two individuals of brown phase of Black Bear (*Ursus americanus*), California Sea-lion (*Zalophus californianus*), Kangaroo Rat (*Dipodomys elator*), American Porcupine (*Erethizon dorsatum*), Bridled Wallaby (*Onychogale frenata*): skin and skeleton; Lion "Prince" (*Felis leo*), European Brown Bear (*Ursus arctos*), Sing-sing Antelope (*Kobus unctuosus*): skull; Reddish Macaque (*Macacus rufescens*).

BIRDS.

EDW. E. ARMSTRONG. Two Lapland Longspur (*Calcarius lapponicus*), Illinois.

DR. WILLIAM E. HUGHES. Collection of Chihuahuan birds. Meyers collection of Pennsylvania and Virginia birds.

DR. JAMES V. INGHAM. Ten skins of Trinidad Humming-birds.

WM. H. PATTERSON. Skin of Mynah (*Mainatus intermedius*).

PURCHASED. Collection of Costa Rican birds. One long-tailed Duck (*Harelda hyemalis*) and two black Duck (*Anas rubripes*), Sea Isle City, N. J.

MRS. CHARLES ROBERTS. Two Ptarmigan (*Lagopus lagopus*), Alaska. One Great-horned Owl (*Bubo virginianus*).

MRS. J. D. WINSOR. Black-throated Blue Warbler (*Dendroica cærulescens*).

DAVID H. WRIGHT. Short-eared Owl (*Asio accipitrinus*).

ZOOLOGICAL SOCIETY OF PHILADELPHIA. Skeleton of Single-wattled Cassowary (*Casuarius unappendiculatus*). Jobi Island Cassowary (*Casuarius unappendiculatus occipitalis*), mounted.

REPTILES AND AMPHIBIANS.

JACOB AEBLY. Tree-toad (*Hyla versicolor*), Philadelphia.

O. H. BROWN. Spade-foot Toad (*Scaphiopus holbrooki*), Cold Spring, Cape May County, N. J.

H. W. FOWLER. Jar of Frogs, Toads and Salamanders (*Elaphe* and *Natrix sipedon*), three mud turtles (*Kinosterum pensylvanicum*), Big Bohemia Creek, Md. Several species of *Hyla*, Holmesburg, Philadelphia.

J. B. HUTCHER. Tadpole, Patagonia.

J. W. HOLMAN. Opaque Salamander (*Ambystoma opacum*), Ocean County, N. J.

C. J. HUNT. Green Snake (*Liopeltis vernalis*), Chicago, Ill. Swamp Tree-toad (*Pseudacris triseriatus*), Riverside, Ill.

HEBARD-REHN EXPEDITION 1910. Eighty-one reptiles and amphibians, western United States.

H. L. MATHER, JR. Numerous collections of reptiles and amphibians, Pennsylvania.

H. L. MATHER and EDW. CARR, JR. Several Salamanders.

H. A. PILSBRY. One Box-tortoise (*Terrepene* sp.), Arizona.

PILSBRY EXPEDITION 1910. Sixty-five reptiles and amphibians, Southwestern United States.

H. PORTER and H. W. FOWLER. Jar of amphibians, Newark, Del.

LOUIS H. SCHMIDT. Mounted Leather-back Turtle (*Dermochelys coriaceus*), Portland, Me.

L. S. SNYDER. Collection of Salamanders and Toads, Montgomery County, Pa.

C. H. STALL. Copperhead Snake (*Agkistrodon contortrix*) and Hellbender (*Cryptobranchus alleganiensis*), Newton Hamilton, Pa.

MRS. LINDA SULLIVAN. *Hyla squirella*, from head of Florida lettuce.

JAMES TAGUE. Five-legged Frog (*Rana clamata*), Philadelphia.

E. G. VANATTA. Two Lizards and one Toad, Bermuda.

WILLIAM WELSH. Red-bellied Turtle (*Pseudemys rubriventris*), May's Landing, N. J.

FISHES.

R. M. ABBOTT and H. W. FOWLER. Collection of fishes, Lake Hopatcong, N. J.

JACOB AEBLEY. Disarticulated skull of *Anarrhichas lupus*, Maine.

CORNELL UNIVERSITY. Collection of Cyprinoids (in exchange).

FRANK ERICSON. Two young Dolphins (*Coryphæna hippurus*), Sea Isle City, N. J.

R. B. FARLEY. Sting-ray (*Dasyatis say*), Barnegat, N. J.

H. W. FOWLER. Collection of several hundred fishes from Big Bohemia Creek, Md. Also a collection from Delaware County, Pa., and Manasquan, N. J. Several fishes from Bustleton, Philadelphia. Collection of young fishes from Burlington, N. J. One hundred fishes, Wycombe, Pa.

H. W. FOWLER and H. L. MATHER, JR. Local collections of fishes. Collection of fishes from Neshaminy Creek. Jar of fishes, Claymont, Del. Small collection of fishes from Carcroft, Del.

W. J. FOX. *Raja ocellata*, two *Phycis chuss*, one *Merluccius bilinearis*, two

Astroscopus guttatus, young *Albacora thynnus*, *Lobotes surinamensis* from Sea Isle City, N. J. Mandible of grouper from Townsend's Inlet, N. J.

B. W. GRIFFITHS and H. W. FOWLER. Collection of fishes, Elmer, N. J.

H. WALKER HAND. *Sciænops ocellatus*, Cape May, N. J.

F. J. KEELEY. Trigger Fish (*Balistes carolinensis*), Great Egg Harbor, N. J.

T. D. KEIM. Small collection of fishes, northern New Jersey and vicinity of New York City. Three jars of fishes from Long Island Sound.

T. D. KEIM and H. W. FOWLER. Small collection of fishes, Burlington Island, N. J. Eight jars of fishes from Delaware.

E. J. F. MARX and H. W. FOWLER. Three jars of fishes, Easton, Pa.

H. L. MATHER, JR. Seven jars of fishes, Newton Hamilton, Pa. Jar of fishes from Philadelphia and three jars of fishes from Altoona, Pa.

D. N. MCCADDEN. *Rachycentron* and *Echeneis*, Ocean City, N. J. Sole (*Achirus fasciatus*), Ocean City, N. J. Also collection of fishes from same place.

DR. R. J. PHILLIPS. Collection of fishes, Corson's Inlet, N. J. Also *Paralepis* from same locality.

DR. R. J. PHILLIPS and H. W. FOWLER. Collection of fishes, Corson's Inlet, N. J. Four jars of fishes from Wilmington, Del.

PILSBRY EXPEDITION 1910. Three species of fishes, Arizona.

H. PORTER and H. W. FOWLER. Jar of fishes, Newark, Del.

E. G. VANATTA. Three fishes, Bermuda.

INSECTS.

STEWARDSON BROWN. Three Lepidoptera, Jamaica.

P. P. CALVERT. Twenty-one Neuroptera, Costa Rica.

T. D. A. COCKERELL. Two Coccidæ, Trinidad.

EXCHANGE. Seventy Orthoptera, Georgia and Florida; four Lepidoptera, New Mexico.

E. T. CRESSON, JR. Seventy-nine Diptera, United States.

H. W. FOWLER. Five Orthoptera, Delaware.

G. M. GREENE. Seventeen Orthoptera, Pennsylvania; two Coleoptera, New Jersey.

FORDYCE GRINNELL, JR. Forty-six Orthoptera, California.

F. HAIMBACH. Five Lepidoptera, Massachusetts.

H. S. HARBECK. Two Hymenoptera, New Jersey.

MORGAN HEBARD. Four hundred and seventy-eight Orthoptera, North Carolina; four hundred and sixty-seven Orthoptera, Sapucay, Paraguay; one hundred and two Orthoptera, Manitoba.

MORGAN HEBARD and J. A. G. REHN. Twenty-five insects, Virginia and North Carolina.

FRANK M. JONES. Fifty-three Orthoptera, Mississippi.

JOSEPH MCFARLAND. One hundred and fifty insects, United States.

A. DE WINKELRIED BERTONI. Thirty-two Orthoptera, Paraguay.

L. C. PHELEY. Sixteen Orthoptera, Kentucky.

W. D. PIERCE. Sixteen Strepsiptera, Kentucky.

G. R. PILATE. Two hundred Coleoptera, California.

H. A. PILSBRY. Seven Coleoptera, Arizona; five Orthoptera, Arizona and New Mexico.

PURCHASED. Two thousand five hundred and six Orthoptera, Africa and Peru; five hundred and ninety-one Orthoptera, Trinidad and Venezuela; three hundred and fifty Orthoptera, Jalisco, Mexico; one hundred and fifty-eight Orthoptera, Natal.

MRS. CHARLES SCHÄFFER. Eleven Lepidoptera, Canada.

C. SCHROTTKY. Twenty-one Orthoptera, Paraguay.

HENRY SKINNER. Six Lepidoptera, British Columbia; one Coleoptera, Pennsylvania; three Lepidoptera, Alaska.

E. A. SMYTH, JR. Two Lepidoptera, Central America.

WITMER STONE. Eleven insects, Massachusetts.

LANCASTER THOMAS. Five hundred Lepidoptera, North Carolina.

E. P. VAN DUZEE. One Hemiptera, Florida.

W. H. WHEELER. Five Hymenoptera, Nova Scotia.

Five thousand nine hundred and fifty-seven specimens.

RECENT MOLLUSCA.

R. M. ABBOTT and H. W. FOWLER. Ten trays of fresh-water shells from Lake Hopatcong, N. J.

BENJAMIN ALBERTSON. Two species of shells from Nantucket, Mass.

JOHN A. ALLEN. Nineteen species of shells from Tahiti and Ohio.

J. L. and A. L. BAILY, JR. Sixty trays of shells from Europe.

DR. F. BAKER. Seven species of marine shells from the west coast of America.

DR. AMOS P. BROWN. Four hundred and seventy-seven trays of Jamaica shells.

FRANCIS H. BROWN. Three species of fresh-water shells from Canada.

STEWARDSON BROWN. *Planorbis* from Norwood, Jamaica.

OWEN BRYANT. *Paludestrina* from Bermuda.

G. W. CAFFREY. *Helix* from Spain.

A. W. CLIME. Fourteen specimens of *Unio* from Arkansas.

C. H. CONNER. Nine trays of land and fresh-water shells from Pennsylvania.

C. M. COOKE. Thirty-two trays of *Lepachatina* from the Hawaiian Isles.

DR. W. H. DALL. Six trays of shells from Africa and North America.

L. E. DANIELS and J. H. FERRISS. Fifty-eight trays of shells from Arizona.

PROF. C. A. DAVIS. Two sets of *Paludestrina* from Bermuda.

H. K. DEISHER. Five species of land and fresh-water shells from Kurtztown, Pa.

J. H. FERRISS. One hundred and forty-one trays of land shells from Arizona.

H. W. FOWLER. Thirty-five trays of shells from Pennsylvania and Maryland.

MORGAN HEBARD. Twenty-three species of land and fresh-water shells from Florida.

J. B. HENDERSON, JR. Five species of land shells from Hamilton County, N. Y.

Y. HIRASE. Forty-three species of land shells from Corea, Japan and China.

H. V. IHERING. Forty-one trays of fresh-water shells from South America.

SAMUEL R. JACOBS. Eight species of shells from Ireland and Pennsylvania.

T. D. KEIM. Twelve trays of shells from Delaware and Connecticut.

C. A. KOFOID. *Helix aspersa* Müll from Berkeley, Cal.

J. G. MALONE. Sixteen species of West Coast shells.

H. T. MATHER, JR. Six species of fresh-water shells from Hamilton County, Pa.

CLARENCE B. MOORE. Three hundred and thirty-five trays of shells from Florida.

STANLEY B. MOORE. *Ariolimax columbianus* Gld. from Pinole, Cal.

DR. A. E. ORTMANN. Fourteen species of *Unios* from western Pennsylvania.

W. H. OVER. Seventeen trays of land and fresh-water shells from South Dakota.

PATAGONIAN EXPEDITION. One hundred and thirty-five trays of South American shells.

MAJOR A. J. PEILE, R. A. Fifteen species of shells from Bermuda and Africa.

DR. H. A. PILSBRY. Two hundred and five trays of shells from Arizona and Eastern States.

PURCHASED. One thousand seven hundred and eighty-one trays of shells.

J. A. G. REHN. Three species of land shells from Western States.

S. N. RHOADS. Forty-eight trays of shells from England.

S. RAYMOND ROBERTS. *Polygyra thyroides* Say from Mont Clair, N. J.

C. T. Simpson. Two shells from Porto Rico.

DR. H. SKINNER. Nine species of land shells from Italy and Dalmatia.

DR. V. STERKI. Three species of shells from Indiana and Ohio.

WITMER STONE. Seventy-three trays of shells from the Atlantic coast of United States.

E. G. VANATTA. Two hundred and ten trays of shells from Bermuda.

BRYANT WALKER. Nine trays of American fresh-water shells.

MISS H. N. WARDLE. Five species of land shells from Mexico.

H. W. WENZEL. *Campeloma decisum* Say. Pocono, Pa.

H. W. WINKLEY. Three trays of New England shells.

R. T. YOUNG. Twenty-two species of shells from Devil's Lake, N. D.

INVERTEBRATES (OTHER THAN INSECTS AND MOLLUSKS).

W. J. BECKER. *Estheria californica*, Pacific Grove, Cal.

DR. A. P. BROWN. *Peripatus*, Jamaica.

W. T. KNECHT. *Balanus eburneus*.

J. G. MALONE. Echinoderm and Balanus, Alaska.

H. L. MATHER, JR. Several Crayfish (*Cambarus*).

D. N. MCCADDEN. Isopod from rock bass, Ocean City, N. J.

THOMAS O. MITCHELL. Barnacles from turtle, Atlantic City, N. J.

J. PERCY MOORE. Sixty-nine bottles of scaled Polychæta, including cotypes of nine species, from deep water off California.

WM. V. MORGAN. Bryozoan, Bermuda.

W. H. OVER. *Estheria morsei* Date, South Dakota.

H. A. PILSBRY. Myriapod, Ventnor, N. J., and two Scorpions, Arizona.

PRINCETON PATAGONIAN EXPEDITION. Three trays of Brachiopods.

PURCHASED. Fifteen trays of Terebratulina, Atlantic Ocean.

CHARLES E. RONALDSON. Shells of King-crab (*Limulus*), Buzzard's Bay, Mass.

WITMER STONE. Fourteen trays of invertebrates, New Jersey and Pennsylvania.

UNITED STATES FISH COMMISSION. Collection of invertebrates made on the Albatross Hawaiian Expedition.

E. G. VANATTA. Six jars of invertebrates, Bermuda.

WM. T. WRIGHT. *Pectinatella magnifica*, St. David's, Pa.

Fossils Vertebrate.

Exchange with J. F. Mouldy. Collection of Moa bones, New Zealand.

Invertebrate Fossils.

H. K. Deisher. Slab of brachiopods, Berks County, Pa. Several slabs of dendrites. Twenty-nine trays of fossils, United States. Twenty-two specimens of fossils, Pennsylvania and Missouri.

Dr. Henry Fox. Twenty-nine trays of fossils, Jericho and New Egypt, N. J.; twenty-nine trays of Miocene fossils from New Jersey.

Wm. Imes. Fossils brachiopods and mollusks, Juniata County, Pa.

H. K. Deisher. Thirty trays of fossils from Clarion County, Pa.

Dr. J. Percy Moore. Cretaceous fossils from Martha's Vineyard, Mass.

Minerals.

Mrs. M. Brinkman. Collection of minerals.

H. K. Deisher. Collection of minerals, Berks County, Pa.

George E. Eiwe. Hexagonal volcanic rock.

Wm. Imes. Quartz crystals, Juniata County, Pa.

Spencer Penrose. Jillsanite, Ashley Valley, Utah.

C. E. Ronaldson. Garnets, Maine.

Estate of Lancaster Thomas. Collection of minerals and crystal models.

Mrs. William S. Yarnall. Collection of minerals.

William S. Vaux Collection. Twenty specimens purchased.

Ethnology and Archæology.

Charles M. Burns. Two specimen of Cingalese Script.

Arthur W. Clime. Thirty-seven specimens of modern work in stone, including an engraved sandstone gorget, small "celts" of chest, spear and arrowheads of quartz, flint, jasper, chest and glass flaked with stone and bone tools.

William Imes. Several arrowheads, Juniata County, Pa.

Dr. Fernando Salagaren (through H. N. Wardle). Two ceremonial coppers, Oaxaca, Mex.

Mrs. M. T. S. Schaeffer. Embroidered bag and wood carving made by Ainu of Japan.

Dr. Raymond Spear, U. S. N. Collection of Samoan implements, tapa clothes, etc.

H. Newell Wardle. Basket made by Thicket Indians, Sitka, Alaska. Thirty-six ancient potsherds, rain coat, ten obsidian and terra cotta objects, Mexico.

Plants.

Charles C. Bachman. Three specimens.

Edwin B. Bartram. Forty-five specimens.

G. William Bassett. Two specimens.

O. H. Brown. One specimen.

Stewardson Brown. Two hundred and ninety local and eight hundred and fifty Jamaica plants.

JOEL J. CARTER. Nineteen specimens.

MRS. H. C. CHAPMAN. Collection of Bar Harbor plants.

JOSEPH CRAWFORD. Eight hundred Jamaica and Panama plants.

DR. JOHN W. ECKFELDT. Four specimens.

WILLIAM FINDLAY. Four specimens.

DR. C. D. FRETZ. Fifty specimens of Cratægus.

J. H. GROVE. Fifty specimens.

R. HEBER HOWE, JR. Three Lichens in exchange.

DR. IDA A. KELLER. Forty-five specimens.

DR. A. F. K. KROUT. One specimen.

HENRY A. LANG. Eight specimens.

FRANK LEAMING. Cedar log, Cape May Court House, N. J.

BAYARD LONG. Eighteen hundred and ninety-nine specimens.

NEW YORK BOTANICAL GARDEN. Thirty-eight Jamaica and eighty-two Cuban plants, in exchange.

FRANCIS W. PENNELL. Five specimens.

HAROLD W. PRETZ. One hundred and fifty-three specimens.

BENJAMIN H. SMITH. Sixty-eight specimens.

WITMER STONE. Eight hundred and ninety-three specimens.

E. G. VANATTA. Fourteen specimens.

SAMUEL S. VAN PELT. Forty-one specimens.

WESTTOWN SCHOOL. Two specimens.

CHARLES S. WILLIAMSON. Seventy-six specimens.

CAPT. J. H. WORKMAN. Specimen of Tuckahoe (*Pachyma cocos*).

ACADEMY'S EXPEDITION TO ARIZONA AND NEW MEXICO (DR. H. A. PILSBRY). Seven hundred and eighty-three specimens.

BOTANICAL SECTION, PURCHASED. Seven hundred and forty specimens of Nevada and California plants.

GEORGE WELDER. Twelve slabs of fossil plants, Bucks County, Pa.